

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |                          |
|------------------------|--------------------------|
| Attorney Docket No.    | TI-36486                 |
| First Inventor         | Hinterscher              |
| Title                  | LOW POWER INPUT WITH ... |
| Express Mail Label No. | EV 333323191 US          |

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 21]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Sheets 1]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: .....

Prior application information:

Examiner

Art Unit:

For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number: 23494 OR ☐ Correspondence address below

|         |                                |          |              |
|---------|--------------------------------|----------|--------------|
| Name    | Texas Instruments Incorporated |          |              |
| Address |                                |          |              |
| City    | State                          | Zip Code |              |
| Country | Telephone                      | Fax      | 972-917-4418 |

|                   |                           |                                   |         |
|-------------------|---------------------------|-----------------------------------|---------|
| Name (Print/Type) | W. James Brady III        | Registration No. (Attorney/Agent) | 32080   |
| Signature         | <i>W. James Brady III</i> | Date                              | 2/17/04 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

22278 U.S. PTO  
10/780982

17236  
021804

PTO/SB/17(11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

Express Mailing Label No.: EV 333323191 US

**Complete If Known**

|                      |             |
|----------------------|-------------|
| Application Number   | 60/517,366  |
| Filing Date          | 11/05/2003  |
| First Named Inventor | Hinterscher |
| Examiner Name        | TBD         |
| Group Art Unit       | TBD         |
| Attorney Docket No.  | TI-36486    |

**TOTAL AMOUNT OF PAYMENT (\$)** 888**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

20-0668

Deposit  
Account  
Name

Texas Instruments Incorporated

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.  
See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:**

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |          |
| 1051         | 130      | 205          | 65       | Surcharge - late filing fee of oath                                     |          |
| 1052         | 50       | 227          | 25       | Surcharge - late provisional filing fee or cover sheet                  |          |
| 1053         | 130      | 139          | 130      | Non-English specification   |          |
| 1812         | 2,520    | 147          | 2,520    | For filing a request for <i>ex parte</i> reexamination                  |          |
| 1804         | 920*     | 112          | 920*     | Requesting publication of SIR prior to Examiner action                  |          |
| 1805         | 1,840*   | 113          | 1,840*   | Requesting publication of SIR after Examiner action                     |          |
| 1251         | 110      | 215          | 55       | Extension for reply within first month                                  |          |
| 1252         | 400      | 216          | 195      | Extension for reply within second month                                 |          |
| 1253         | 920      | 217          | 445      | Extension for reply within third month                                  |          |
| 1254         | 1,440    | 218          | 695      | Extension for reply within fourth month                                 |          |
| 1255         | 1,960    | 228          | 945      | Extension for reply within fifth month                                  |          |
| 1401         | 320      | 219          | 155      | Notice of Appeal  |          |
| 1402         | 320      | 220          | 155      | Filing a brief in support of an appeal                                  |          |
| 1403         | 280      | 221          | 135      | Request for oral hearing  |          |
| 1451         | 1,510    | 138          | 1,510    | Petition to institute a public use proceeding                           |          |
| 1452         | 110      | 240          | 55       | Petition to revive - unavoidable  |          |
| 1453         | 1,280    | 241          | 620      | Petition to revive - unintentional                                      |          |
| 1501         | 1,280    | 242          | 620      | Utility issue fee (or reissue)  |          |
| 1502         | 460      | 243          | 220      | Design issue fee  |          |
| 1503         | 620      | 244          | 300      | Plant issue fee   |          |
| 1460         | 130      | 122          | 130      | Petitions to the Commissioner   |          |
| 1807         | 50       | 123          | 130      | Petitions related to ProvI Apps (Proc. Fee under 37 CFR 1.17(a))        |          |
| 1806         | 180      | 126          | 180      | Submission of information Disclosure Stmt                               |          |
| 8021         | 40       | 581          | 40       | Recording each patent assignment per property (times no. of properties) |          |
| 1809         | 740      | 246          | 355      | Filing a submission after final rejection (37 CFR §1.129(a))            |          |
| 1810         | 740      | 249          | 355      | For each additional invention to be examined (37 CFR §1.129(b))         |          |
| 1801         | 740      | 279          | 355      | Request for Continued Examination (RCE)                                 |          |
| 1802         | 900      | 169          | 900      | Request for expedited examination of a design application               |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code      | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid       |
|---------------------|-----------------|----------------|-----------------|------------------------|----------------|
| 1001                | 750             | 201            | 355             | Utility filing fee     | \$750          |
| 1002                | 330             | 206            | 160             | Design filing fee      |                |
| 1003                | 510             | 207            | 245             | Plant filing fee       |                |
| 1004                | 740             | 208            | 355             | Reissue filing fee     |                |
| 1005                | 160             | 214            | 75              | Provisional filing fee |                |
| <b>SUBTOTAL (1)</b> |                 |                |                 |                        | <b>(\$750)</b> |

**2. EXTRA CLAIM FEES**

| Extra Claims       |    | Fee from below |   | Fee Paid |     |
|--------------------|----|----------------|---|----------|-----|
| Total Claims       | 23 | -20**=         | 3 | X        | 18  |
| Independent Claims | 4  | -3**=          | 1 | X        | 84  |
|                    |    |                |   |          | 270 |
|                    |    |                |   |          | 0   |

Multiple Dependent

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 1202           | 18              | 203            | 9               | Claims in excess of 20                                    |
| 1201           | 84              | 202            | 40              | Independent claims in excess of 3                         |
| 1203           | 280             | 204            | 135             | Multiple dependent claim, if not paid                     |
| 1204           | 84              | 209            | 40              | **Reissue independent claims over original patent         |
| 1205           | 18              | 210            | 9               | **Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) (\$138)**

\*\*or number previously paid, if greater; For Reissue, see above

SUBMITTED BY

W. James Brady III

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Signature

*W. James Brady III*

Date

2/17/04

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231